

ABSTRACT OF DISCLOSURE

A method of providing a multi-wavelength light source includes the steps of  
5 modulating an optical pulse source so as to  
output optical pulses with a designated  
repetition frequency, time-division multiplexing  
the optical pulses output by the optical pulse  
source so as to output optical pulses with a  
10 repetition frequency which is an integral  
multiple of the designated repetition frequency,  
and demultiplexing wavelengths of the optical  
pulses with the repetition frequency which is  
the integral multiple of the designated  
15 repetition frequency so as to output the  
wavelengths as the multi-wavelength light source.

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